

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method of the treatment of a patient in need of such treatment comprising administering to the patient a dose of 4.0 ml or less of a nebulized aerosol formulation comprising from about 60 to about 200 mg/ml of an aminoglycoside antibiotic in less than 10 minutes.
2. A method of Claim 1 wherein the dose comprises less than about 3.75 ml of the nebulized aerosol formulation.
3. A method of Claim 1 wherein the dose comprises 3.5 ml or less of the nebulized aerosol formulation.
4. A method of Claim 1 wherein the aerosol formulation comprises from about 80 to about 180 mg/ml of the aminoglycoside antibiotic.
5. A method of Claim 1 wherein the aerosol formulation comprises from about 90 to about 150 mg/ml of the aminoglycoside antibiotic.
6. The method of Claim 1 wherein the aminoglycoside antibiotic is selected from the group consisting of gentamycin, amikacin, kanamycin, streptomycin, neomycin, netilmicin and tobramycin.
7. A method of Claim 6 wherein the aminoglycoside antibiotic is tobramycin.
8. A method of Claim 7 wherein the dose comprises 3.5 ml or less of a nebulized aerosol formulation comprising from about 80 to about 180 mg/ml of tobramycin.
9. A unit dose device, comprising a container containing less than about 4.0 ml of an aminoglycoside antibiotic formulation comprising from about 60 to

about 200 mg/ml of an aminoglycoside antibiotic in a physiologically acceptable carrier.

10. A unit dose device of Claim 9 which contains less than about 3.75 ml of the aminoglycoside antibiotic formulation.

11. A unit dose device of Claim 9 which contains 3.5 ml or less of the aminoglycoside antibiotic formulation.

12. A unit dose device of Claim 9 wherein the aminoglycoside antibiotic formulation comprises from about 80 to about 180 mg/ml of the aminoglycoside antibiotic.

13. A unit dose formulation of Claim 9 wherein the aminoglycoside antibiotic formulation comprises from about 90 to about 150 mg/ml of the aminoglycoside antibiotic.

14. A unit dose formulation of Claim 9 wherein the aminoglycoside antibiotic is selected from the group consisting of gentamycin, amikacin, kanamycin, streptomycin, neomycin, netilmicin and tobramycin.

15. A unit dose formulation of Claim 14 wherein the aminoglycoside antibiotic is tobramycin.

16. A unit dose device of Claim 9 which contains less than about 4.0 ml of aminoglycoside antibiotic formulation comprising from about 80 to about 180 mg/ml of tobramycin.

17. A system for delivering an aminoglycoside antibiotic formulation to a patient in need of such treatment, comprising a unit dose device comprising a container containing less than about 4.0 ml of an aminoglycoside antibiotic formulation comprising from about 60 to about 200 mg/ml of an aminoglycoside antibiotic in a physiologically acceptable carrier, and means for delivering the

aminoglycoside antibiotic formulation from the unit dose device for inhalation by the patient in aerosolized form in less than 10 about minutes.